## ABSTRACT

A driver for driving an STN LCD is disclosed. A preferred embodiment comprises a 3-line output display data for storing display data, an XOR block for finding mismatches between each 3-line output set of the stored display and orthogonal function signals, a decoder block for calculating mismatch numbers, a level shifter block for shifting the data level of the mismatch numbers to another level, and a voltage selector block for selecting a voltage level from 2 levels of voltage. Because data latches and output latches are not necessary, the driver of the present invention achieves significant reduction in the circuit components and chip size without compromising the display quality.

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